

Notice of Allowability

Application No.

09/821,327

Examiner

Vincent E Kovalick

Applicant(s)

SASAKI, TORU

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's amendment after final dated 83004.
2. ☒ The allowed claim(s) is/are 2-12.
3. ☒ The drawings filed on 29 March 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Response to After Final Rejection

1. This Office Action is in response to Applicant's response to Final Office Action dated August 30, 2004 in response to USPTO Final Office Action dated May 27, 2004.

The cancellation of claim 1 and the minor amendment to claim 9 are sufficient to place the application in a condition for allowance as indicated hereinbelow.

Allowable Subject Matter

2. Claims 2-12 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Relative to claim 2, the major difference between the teachings of the prior art of record (Fujimoto, USP 5,473,348; Matsumoto, USP 5,929,839 and Tanaka et al. 6,320,778) and that of the instant invention is that said prior art of record **does not teach** a display control apparatus wherein at completion of writing the previous palette data to the color palette memory, the first video memory controller retains the previous address data designating the previous palette data in a register, so that the first video memory controller determines whether to replace content of the color palette memory by comparison between the present address data and the previous address data.

Regarding claim 3, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a display control apparatus wherein the video memory stores a color palette replacer instruction, so that if the

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color pallet replacer instruction designate the color palette replacement, the first video memory controller proceeds to replacement of the content of the color palette memory unconditionally regardless of the address data.

Relative to claim 4, the major difference between the teaching of the said prior art of record and that of the instant invention is that said prior art **does not teach** a display control apparatus wherein a color palette replace signal generator for generating a color palette replacer signal based on the header data so as to make a determination whether to replace content of the color palette with respect to each of the planes, wherein if the color palette replacer instruction designates color palette replacement, the video memory controller unconditionally replaces previous palette data with present palette data on the color palette memory, while if the color palette replacer instruction does not designate color palette replacement, the video memory controller replaces the previous palette data with the present pallet data on the color palette memory only when a present color palette pointer designating the present palette data differs from a previous color-pallet pointer designating the previous palette data.

As to claim 6, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a display control apparatus wherein if the color palette replacer instruction designates the color palette replacement, the first video memory controller proceeds to replacement of the content of the color palette memory unconditionally, regardless of the present or previous address data.

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Regarding claim 7, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** a display control apparatus wherein if the color palette replacer instruction designates the color palette replacement and the bitmap data format indicator indicates the color data includes color codes, the first video memory controller proceeds to replace the content of the color palette memory unconditionally, regardless of a present address data or a previous address data.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No.	5,559,952	Fujimoto
U. S. Patent No.	5,500,654	Fujimoto
U. S. Patent No.	5,400,334	Hayssen

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Responses


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent E Kovalick whose telephone number is 703 306-3020. The examiner can normally be reached on Monday-Thursday 7:30- 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 703 305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Vincent E. Kovalick

October 28, 2004


BIPIN SHALWALA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600